

***** COAXIAL DIPOLE ANTENNA *****

PROGRAM BY VAN LYONS WB6IIV

***** FEATURES *****

***** INEXPENSIVE AND EASY TO BUILD

BROAD BANDED & LOW SWR

***** NO BALUN REQUIRED

DURABLE AND RELIABLE

DESCRIPTION

THIS DIPOLE IS MADE FROM COAX
CABLE (50 OHM) OF YOUR CHOICE.
EACH LEG OF THE DIPOLE CONSISTS OF
TWO ELECTRICAL SEGMENTS.--
FROM THE CENTER FEEDPOINT TO THE
SHORTING POINT ON EACH LEG IS SEG(A)
--AND FROM THE SHORTING POINT TO THE END
OF EACH LEG IS SEG(B) --SO--
SEG (A)PLUS SEG B=ONE LEG--AND
 $2A+2B$ =TOTAL ANTENNA LENGTH-RIGHT?

*** NOW LETS MAKE ONE TO SUIT YOUR NEEDS
WHAT CENTER FREQ DO YOU WANT?

INPUT CENTER FREQ IN MHZ

7.225

TOTAL ANTENNA LENGTH= 64 FEET 9.3 INCHES

SEG(A)= 22 FEET 5.6 INCHES

SEG(B)= 9 FEET 10.9 INCHES

FEEDLINE LENGTH SHOULD BE

ENTER VELOCITY FACTOR OF COAX?

RG-58 COAX= .66

RG-8X(FOAM)= .80

.8

FEEDLINE LENGTH 54 FEET 5.7 INCHES

IF A LONGER LENGTH IS REQUIRED USE EXACT MULTIPLIES AS NEEDED.

DO YOU WANT MORE FREQUENCIES RUN?

YES=1 NO=0

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GOOD D.X. OLD MAN